

Supplemental Material S3. Correlations between all variables in participants with Alzheimer's Disease.

		age	education	MMSE	#correct	#cluster_H1	#cluster_LN	#cluster_H2	cluster size_H1	cluster size_LN	cluster size_H2	#switch_H1	#switch_LN	#switch_H2	%cluster_H1	%cluster_LN	%cluster_H2	%switch_H1	%switch_LN	%switch_H2
age	Pearson Correlation	1	−.153	−.077	.292	.297	.493 <sup>‡</sup>	.325	.296	.301	.355	.141	.039	.166	.200	.535 <sup>‡</sup>	.317	−.097	−.402	−.318
	Sig. (2-tailed)		.531	.753	.224	.217	.032	.174	.219	.210	.136	.564	.875	.496	.413	.018	.185	.694	.088	.185
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
education	Pearson Correlation	−.153	1	−.276	−.355	−.376	−.374	−.392	−.333	−.338	−.375	−.239	−.220	−.337	−.456 <sup>‡</sup>	−.433	−.456 <sup>‡</sup>	.146	.229	.175
	Sig. (2-tailed)	.531		.253	.136	.112	.115	.097	.163	.157	.114	.325	.365	.158	.050	.064	.050	.551	.346	.474
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
MMSE	Pearson Correlation	−.077	−.276	1	.411	.260	.307	.189	.323	.190	.502 <sup>‡</sup>	.250	.314	.323	.190	.188	.115	−.131	−.064	−.236
	Sig. (2-tailed)	.753	.253		.080	.282	.201	.437	.177	.436	.028	.303	.191	.177	.436	.440	.640	.592	.794	.332
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
#correct	Pearson Correlation	.292	−.355	.411	1	.821 <sup>***</sup>	.779 <sup>***</sup>	.842 <sup>***</sup>	.188	.435	.725 <sup>***</sup>	.817 <sup>***</sup>	.839 <sup>***</sup>	.833 <sup>***</sup>	.360	.429	.512 <sup>‡</sup>	.147	−.031	−.512 <sup>‡</sup>
	Sig. (2-tailed)	.224	.136	.080		.000	.000	.000	.440	.063	.000	.000	.000	.000	.130	.067	.025	.548	.899	.025
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
#cluster_H1	Pearson Correlation	.297	−.376	.260	.821 <sup>***</sup>	1	.774 <sup>***</sup>	.751 <sup>***</sup>	.255	.343	.563 <sup>‡</sup>	.449	.631 <sup>***</sup>	.658 <sup>***</sup>	.757 <sup>***</sup>	.472 <sup>‡</sup>	.495 <sup>‡</sup>	−.219	−.122	−.438
	Sig. (2-tailed)	.217	.112	.282	.000		.000	.000	.293	.150	.012	.054	.004	.002	.000	.041	.031	.367	.620	.061
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
#cluster_LN	Pearson Correlation	.493 <sup>‡</sup>	−.374	.307	.779 <sup>***</sup>	.774 <sup>***</sup>	1	.710 <sup>***</sup>	.308	.281	.688 <sup>***</sup>	.487 <sup>‡</sup>	.485 <sup>‡</sup>	.562 <sup>‡</sup>	.463 <sup>‡</sup>	.839 <sup>***</sup>	.522 <sup>‡</sup>	−.021	−.317	−.557 <sup>‡</sup>
	Sig. (2-tailed)	.032	.115	.201	.000	.000		.001	.200	.244	.001	.034	.035	.012	.046	.000	.022	.931	.186	.013
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
#cluster_H2	Pearson Correlation	.325	−.392	.189	.842 <sup>***</sup>	.751 <sup>***</sup>	.710 <sup>***</sup>	1	.120	.484 <sup>‡</sup>	.540 <sup>‡</sup>	.734 <sup>***</sup>	.662 <sup>***</sup>	.651 <sup>***</sup>	.446	.488 <sup>‡</sup>	.850 <sup>***</sup>	.186	−.096	−.527 <sup>‡</sup>
	Sig. (2-tailed)	.174	.097	.437	.000	.000	.001		.625	.036	.017	.000	.002	.003	.056	.034	.000	.445	.694	.020
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
cluster size_H1	Pearson Correlation	.296	−.333	.323	.188	.255	.308	.120	1	.668 <sup>***</sup>	.405	−.239	−.217	.034	.406	.361	.146	−.749 <sup>***</sup>	−.814 <sup>***</sup>	−.339
	Sig. (2-tailed)	.219	.163	.177	.440	.293	.200	.625		.002	.085	.325	.373	.890	.084	.129	.552	.000	.000	.156
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
cluster size_LN	Pearson Correlation	.301	−.338	.190	.435	.343	.281	.484 <sup>‡</sup>	.668 <sup>***</sup>	1	.510 <sup>‡</sup>	.230	.022	.227	.254	.303	.460 <sup>‡</sup>	−.256	−.722 <sup>***</sup>	−.498 <sup>‡</sup>
	Sig. (2-tailed)	.210	.157	.436	.063	.150	.244	.036	.002		.026	.344	.927	.351	.294	.207	.048	.289	.000	.030
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
cluster size_H2	Pearson Correlation	.355	−.375	.502 <sup>‡</sup>	.725 <sup>***</sup>	.563 <sup>‡</sup>	.688 <sup>***</sup>	.540 <sup>‡</sup>	.405	.510 <sup>‡</sup>	1	.463 <sup>‡</sup>	.381	.362	.262	.549 <sup>‡</sup>	.388	−.008	−.372	−.789 <sup>***</sup>
	Sig. (2-tailed)	.136	.114	.028	.000	.012	.001	.017	.085	.026		.046	.108	.127	.279	.015	.100	.973	.117	.000
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
#switch_H1	Pearson Correlation	.141	−.239	.250	.817 <sup>***</sup>	.449	.487 <sup>‡</sup>	.734 <sup>***</sup>	−.239	.230	.463 <sup>‡</sup>	1	.875 <sup>***</sup>	.816 <sup>***</sup>	−.027	.239	.490 <sup>‡</sup>	.635 <sup>***</sup>	.308	−.230
	Sig. (2-tailed)	.564	.325	.303	.000	.054	.034	.000	.325	.344	.046		.000	.000	.914	.325	.033	.004	.199	.344
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
#switch_LN	Pearson Correlation	.039	−.220	.314	.839 <sup>***</sup>	.631 <sup>***</sup>	.485 <sup>‡</sup>	.662 <sup>***</sup>	−.217	.022	.381	.875 <sup>***</sup>	1	.907 <sup>***</sup>	.197	.110	.346	.401	.484 <sup>‡</sup>	−.082
	Sig. (2-tailed)	.875	.365	.191	.000	.004	.035	.002	.373	.927	.108	.000		.000	.419	.654	.147	.089	.036	.740
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
#switch_H2	Pearson Correlation	.166	−.337	.323	.833 <sup>***</sup>	.658 <sup>***</sup>	.562 <sup>‡</sup>	.651 <sup>***</sup>	.034	.227	.362	.816 <sup>***</sup>	.907 <sup>***</sup>	1	.271	.284	.400	.263	.219	.039
	Sig. (2-tailed)	.496	.158	.177	.000	.002	.012	.003	.890	.351	.127	.000	.000		.261	.239	.090	.277	.367	.874
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
%cluster_H1	Pearson Correlation	.200	−.456 <sup>‡</sup>	.190	.360	.757 <sup>***</sup>	.463 <sup>‡</sup>	.446	.406	.254	.262	−.027	.197	.271	1	.400	.424	−.596 <sup>***</sup>	−.223	−.227
	Sig. (2-tailed)	.413	.050	.436	.130	.000	.046	.056	.084	.294	.279	.914	.419	.261		.090	.070	.007	.359	.349
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
%cluster_LN	Pearson Correlation	.535 <sup>‡</sup>	−.433	.188	.429	.472 <sup>‡</sup>	.839 <sup>***</sup>	.488 <sup>‡</sup>	.361	.303	.549 <sup>‡</sup>	.239	.110	.284	.400	1	.567 <sup>‡</sup>	−.025	−.525 <sup>‡</sup>	−.419
	Sig. (2-tailed)	.018	.064	.440	.067	.041	.000	.034	.129	.207	.015	.325	.654	.239	.090		.011	.918	.021	.074
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
%cluster_H2	Pearson Correlation	.317	−.456 <sup>‡</sup>	.115	.512 <sup>‡</sup>	.495 <sup>‡</sup>	.522 <sup>‡</sup>	.850 <sup>***</sup>	.146	.460 <sup>‡</sup>	.388	.490 <sup>‡</sup>	.346	.400	.424	.567 <sup>‡</sup>	1	.182	−.216	−.370
	Sig. (2-tailed)	.185	.050	.640	.025	.031	.022	.000	.552	.048	.100	.033	.147	.090	.070	.011		.457	.375	.119
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
%switch_H1	Pearson Correlation	−.097	.146	−.131	.147	−.219	−.021	.186	−.749 <sup>***</sup>	−.256	−.008	.635 <sup>***</sup>	.401	.263	−.596 <sup>***</sup>	−.025	.182	1	.537 <sup>‡</sup>	.121
	Sig. (2-tailed)	.694	.551	.592	.548	.367	.931	.445	.000	.289	.973	.004	.089	.277	.007	.918	.457		.018	.623
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
%switch_LN	Pearson Correlation	−.402	.229	−.064	−.031	−.122	−.317	−.096	−.814 <sup>***</sup>	−.722 <sup>***</sup>	−.372	.308	.484 <sup>‡</sup>	.219	−.223	−.525 <sup>‡</sup>	−.216	.537 <sup>‡</sup>	1	.472 <sup>‡</sup>
	Sig. (2-tailed)	.088	.346	.794	.899	.620	.186	.694	.000	.000	.117	.199	.036	.367	.359	.021	.375	.018		.041
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
%switch_H2	Pearson Correlation	−.318	.175	−.236	−.512 <sup>‡</sup>	−.438	−.557 <sup>‡</sup>	−.527 <sup>‡</sup>	−.339	−.498 <sup>‡</sup>	−.789 <sup>***</sup>	−.230	−.082	.039	−.227	−.419	−.370	.121	.472 <sup>‡</sup>	1
	Sig. (2-tailed)	.185	.474	.332	.025	.061	.013	.020	.156	.030	.000	.344	.740	.874	.349	.074	.119	.623	.041	
	<i>n</i>	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19

Note. H1 = Rater 1; H2 = Rater 2; LN = Lancaster Norms; size = average cluster size. \*Correlation is significant at the .05 level (2-tailed). \*\*Correlation is significant at the .01 level (2-tailed).